

Project Audit



Project:
Crypto Assistant

May 26, 2022

Crypto Assistant

Bringing structure in crypto



+

Crypto Asistant

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Overview

This audit has been prepared for **Crypto Assistant** to review the main aspects of the project to help investors make an informative decision in the research process.

You will find a a summarized review of the following main key points:

- Contract's source code
- Project and team
- Website
- Social media & online presence

NOTE: We ONLY consider a project safe if they receive our "Certificate of Trust" NFT. This report only points out any potential red flags found in our analysis. Always do your own research before investing in a project.

Smart Contract Review

The contract review process pays special attention to the following:

- Testing the smart contracts against both common and uncommon vulnerabilities
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.



"The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal"
– SpyWolf Team

Smart Contract Summary

Contract Name	CryptoAssistant
Ticker	CAS
Contract	0x929a085A01abEd438693e290497f4922F1B390cF
Network	Binance smart chain
Language	Solidity
Tax	Buy: 8% Sell: 8%
Total Supply	1,000,000,000
Status	Not launched

Current stats

Burn	No burnt tokens
LP Address	Liquidity not added yet
Liquidity	Liquidity not added yet
MaxTxAmount	No limit

Issues Checking Status	
Design Logic	Passed ✓
Compiler warnings.	Passed ✓
Private user data leaks	Passed ✓
Timestamp dependence	Passed ✓
Integer Overflow and Underflow	Passed ✓
Race conditions and Reentrancy. Cross-function race conditions	Passed ✓
Possible delays in data delivery	Passed ✓
Oracle calls	Passed ✓
Front running	Passed ✓
DoS with Revert	Passed ✓
DoS with block gas limit	Passed ✓
Methods execution permissions	Passed ✓
Economy model	Passed ✓
The impact of the exchange rate on the logic	Passed ✓
Malicious Event log	Passed ✓
Scoping and Declarations	Passed ✓
Uninitialized storage pointers	Passed ✓
Arithmetic accuracy	Passed ✓
Cross-function race conditions	Passed ✓
Safe Zeppelin module	Passed ✓
Fallback function security	Passed ✓

Featured Wallets

Owner address	0x97c9795201E4979417d63a88EBefFeBe329d423E
LP address	Liquidity not added yet

Top 3 Unlocked Wallets

Wallet 1 (100%)	Same as owner
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Tokens are not distributed yet

Security Threats

Owner can change buy fees up to 8% and sell fees up to 16% (combined buy+sell=24%).

```
function UpdateBuyTaxes(
    uint256 _marketing,
    uint256 _liquidity,
    uint256 _dev
) external onlyOwner {
    taxes = Taxes(_marketing, _liquidity, _dev);
    require((_marketing + _liquidity + _dev) <= 8, "Buy taxes up to 8% only");
}

function SetSellTaxes(
    uint256 _marketing,
    uint256 _liquidity,
    uint256 _dev
) external onlyOwner {
    sellTaxes = Taxes(_marketing, _liquidity, _dev);
    require((_marketing + _liquidity + _dev) <= 16, "Sell taxes up to 16% only");
}
```

Owner can set cooldown between sells up to 300 seconds (5 minutes).
Default cooldown is 1 minute.

```
bool public coolDownEnabled = true;
uint256 public coolDownTime = 60 seconds;

function updateCooldown(bool state, uint256 time) external onlyOwner {
    coolDownTime = time * 1 seconds;
    coolDownEnabled = state;
    require(time <= 300, "cooldown timer cannot exceed 5 minutes");
}
```

Security Threats

Owner can set period with 99% fees before trading is enabled.
Once trading is enabled it can't be disabled.
Once trading is set to enabled, owner can't change the period value.

```
uint256 private launchtax = 99;

function updatedecline(uint256 _deadline) external onlyOwner {
    require(!tradingEnabled, "Can't change when trading has been enabled");
    deadline = _deadline;
}

function _transfer(address sender, address recipient,
uint256 amount) internal override {
    .....
    bool useLaunchFee = !exemptFee[sender] &&
        !exemptFee[recipient] &&
        block.number < genesis_block + deadline;

    if (useLaunchFee) {
        feeswap = launchtax;
        feesum = launchtax;
    }
    .....
}
```

! Owner can blacklist address making it impossible to sell.

```
function updateIsBot(address account, bool state) external onlyOwner {
    isBot[account] = state;
}

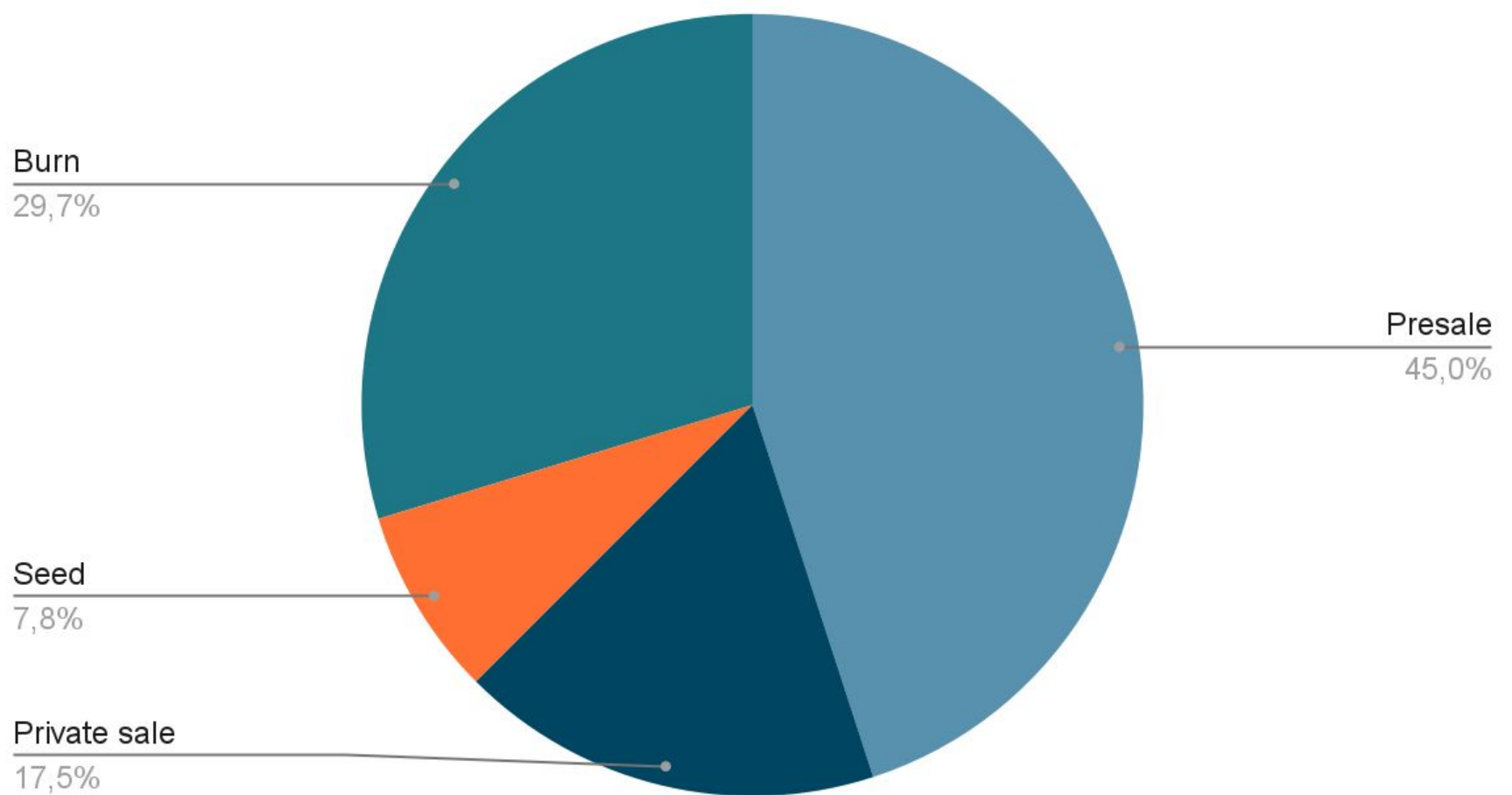
function bulkIsBot(address[] memory accounts, bool state) external onlyOwner {
    for (uint256 i = 0; i < accounts.length; i++) {
        isBot[accounts[i]] = state;
    }
}
```


Tokenomics

According to their website:

- 45% - Presale
- 17.5% - Private sale
- 7.8% - Seed sale
- 29.7% - Burn

Tokens distribution



Crypto Assistant Project & Team Review

According to their whitepaper:

Crypto Assistant will be project that provide tool for gathering detailed information about presales, launches, and whitelists. Users can get reminders of calls with personal notifications. Crypto Assistant will do most of the research, such as important information, KYC, Doxxing, Audits, etc.

Holders of \$CAS native token will have privileges to set some extra filters.

Team:

✓ Team KYCd by Gempad

https://github.com/TheGemPad/GemPadOfficial/blob/main/KYC-Certificates/CryptoAssistant_KYC_GemPad.pdf



Website Analysis

URL: <https://cryptoassistant.tech/>

- **Design:** Single page, unique design, appropriate color scheme.
- **Content:** Informative, can be found in the whitepaper.
- **Whitepaper:** Well written, explanatory.
- **Roadmap:** Goals set at 4 phases with time frames.
- **Mobile-friendly?** Yes – Can be improved.
- **Technical:** SSL certificate present. General SEO check passed.



Social Media & Online Presence



Telegram

<https://t.me/CryptoAssistantCHAT>

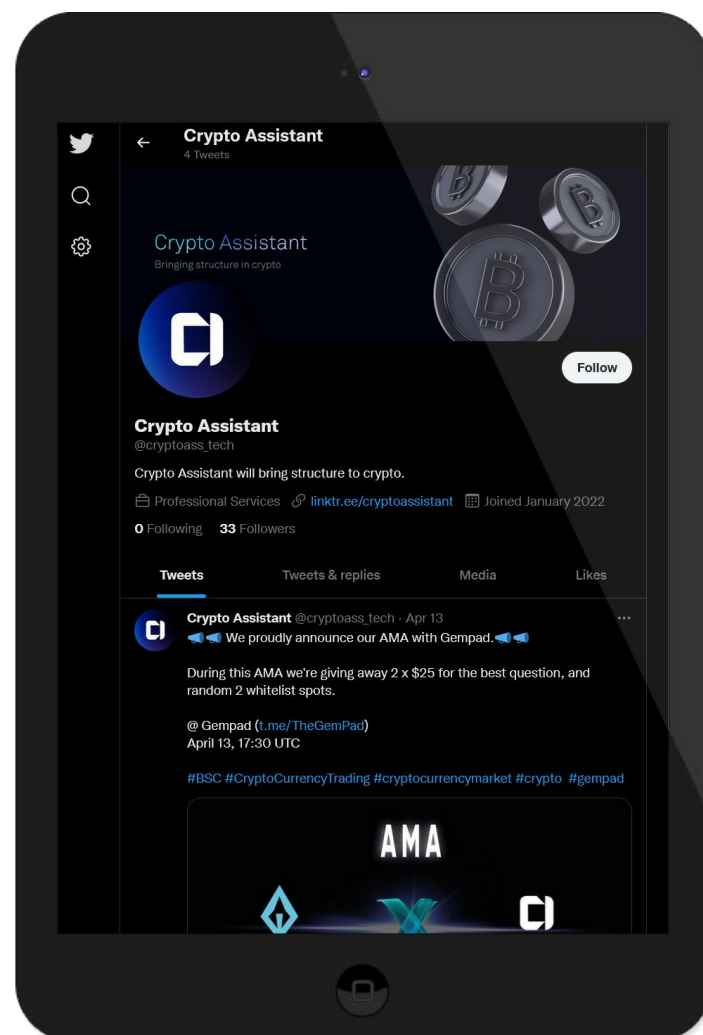
- 1 242 members
- Few active members
- Active mods



Twitter

https://twitter.com/cryptoass_tech

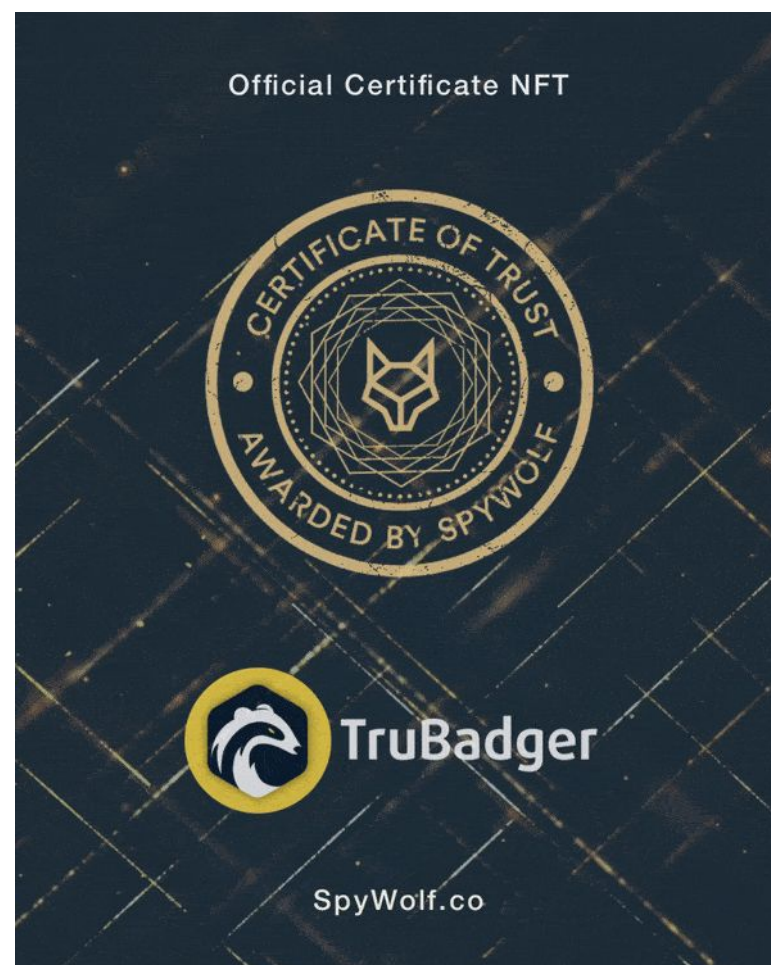
- 33 Followers
- Not very active, 3 posts total made for 3 months. ⚠️



About SpyWolf

SpyWolf is a team of crypto security experts that have been performing full audits for projects for the past months in order to ensure safety on the crypto space. Our goal is to help eliminate monetary fraud through our auditing services and utility token, \$SPY.

- Website: SpyWolf.co
- Portal: SpyWolf.network
- Telegram: [@SpyWolfNetwork](https://t.me/SpyWolfNetwork)
- Twitter: [Twitter.com/SpyWolfNetwork](https://twitter.com/SpyWolfNetwork)



(Sample Certificate NFT for those who pass audit)

If you are interested in finding out more about our audits and Certificate of Trust NFTs, reach out to contact@spywolf.co.

Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.